

Commissioner for Patents
Reply to Office Action of March 23, 2005
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Serial No.: 10/620,295

LISTING OF SPECIFICATION AMENDMENTS

Please delete paragraphs[0012] - [0019]

Please add new paragraph ([0012].

[0012] In one aspect of the present invention there is a low-emissions combustion system provided for a gas turbine engine, which comprises a Catalyst (CAT) combustion sub-system adapted to controllably generate combustion products under a lean premixed fuel/air condition in the presence of a catalyst, a Dry-Low-Emissions (DLE) combustion sub-system adapted to controllably generate combustion products under a lean premixed fuel/air condition, a combustor communicating with the DLE and CAT combustion sub-systems for delivering the combustion products in adequate inlet conditions to an annular turbine of the engine and a thermal reactor disposed between the CAT combustion sub-system and the combustor. The CAT combustion sub-system communicates with a fuel injection sub-system and an air supply sub-system. The air supply sub-system communicates with a compressor. The DLE combustion sub-system communicates with a fuel injection sub-system and an air supply sub-system communicating with said compressor. Said communication between the CAT combustion sub-system and the combustor is provided at least partially by the thermal reactor. The DLE combustion sub-system communicates with the combustor independent of the thermal reactor.